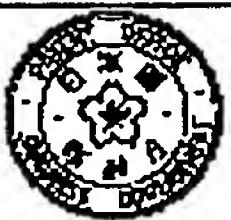


(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 58180487 A
(43) Date of publication of application: 21.10.1983

(51) Int. Cl C07D487/04

C12P 17/18

// A61K 31/55, A61K 31/55, A61K 31/55, A61K 31/55, A61K 31/55

(C12P 17/18, C12R 1/465)

(21) Application number: 57063630

(22) Date of filing: 16.04.1982

(71) Applicant: KYOWA HAKKO KOGYO CO LTD

(72) Inventor: TOMITA FUSAO

KAWAMOTO ISAO

TAMAOKI TATSUYA

ASANO KOZO

MORIMOTO MAKOTO

IMAI RYOJI

FUJIMOTO KAZUHISA

(54) ANTIBIOTIC DC-81 AND ITS PREPARATION

and water, slightly soluble in ethyl ether, and n-hexane.

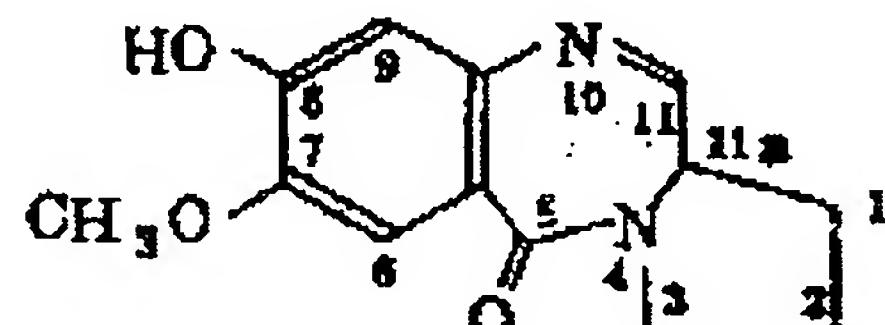
(57) Abstract:

COPYRIGHT: (C)1983,JPO&Japio

NEW MATERIAL: An antibiotic DC-81 shown by the formula.

USE: An antibacterial agent, and disinfectant. Having antibacterial activity and antitumor activity.

PROCESS: A bacterium such as DC-81 strain (FERM-P 6502) belonging to the genus Streptomyces, capable of producing DC-81, is cultivated in a medium, DC-81 is accumulated in the culture, and DC-81 shown by the formula is collected from the culture. Properly, the culture temperature is 25W40°C, and the pH of the medium is 4W10. Having the following physical and chemical properties. Melting point: 98W105°C, molecular weight: 246 (mass spectrum method), molecular formula: C₁₃H₁₄O₃N₂; specific rotatory power; [v]²²D=+135° (c 0.2, methanol); solubility: easily soluble in DMSO, methanol, etc., soluble in ethyl acetate,



BEST AVAILABLE COPY